

Amendments to the Claims

1. (Cancelled)
2. (Cancelled)
3. (Cancelled)
4. (Cancelled)
5. (Cancelled)
6. (Cancelled)
7. (Cancelled)
8. (Cancelled)
9. (Currently Amended) A HIUI as in claim 4 A handwritten input user interface (HIUI) for a portable device having a touch-enabled input screen, the HIUI comprising:
a handwriting input area residing in a predetermined portion of the touch-enabled input screen, handwritten text being entered using a stylus;
an input/display scrolling window in the handwriting input area, written entries being scrolled such that writing space is continuously available within the handwriting input area; and
a display area operable to display recognized text in a text recognition mode and handwritten input as digital ink, corresponding to the handwritten input entered in the handwriting input area without the requirement of converting the handwritten input to text using a recognition element, in an ink-only mode;
wherein a word separator is displayed in [[said]] the handwritten input area to the right of words being entered, entries to the right of [[said]] the word separator indicating start of a next word.

10. (Cancelled)

11. (Cancelled)

12. (Cancelled)

13. (Cancelled)

14. (Cancelled)

15. (Cancelled)

16. (Cancelled)

17. (Cancelled)

18. (Cancelled)

19. (Cancelled)

20. (Cancelled)

21. (Currently Amended) ~~A method as in claim 19~~ A method of providing written input to an electronic device, the method comprising:

receiving an entry from a written-entry screen area;
displaying a corresponding digital ink stroke in the written-entry screen area;
shifting each displayed digital ink stroke horizontally at a rate corresponding to an ink stroke rate of the digital ink, whereby written entries appear to be scrolling off one side of a display as on a ticker tape; and
displaying the written entries in a display area, wherein displaying the written entries in the display area comprises:

passing the received entry to a handwriting recognition engine, the handwriting recognition engine converting the received entry to text, and displaying text in a textual display area in a text-recognition mode; and
converting the written entries to digital ink and displaying the digital ink in the textual display area in an ink-only mode;
wherein [[the]] shifting displayed digital ink strokes includes displaying a word separator indicating a point on the ~~written entry~~ written-entry screen area designating demarcation between continuation of a current word and initiation of a next word.

22. (Currently Amended) A method as in claim 21 [[,]] wherein [[said]] the word separator scrolls with a written entry when written input is determined to have paused.

23. (Cancelled)

24. (Cancelled)

25. (Cancelled)

26. (Cancelled)

27. (Cancelled)

28. (Currently Amended) ~~A HIUI as in claim 19, A method of providing written input to an electronic device, the method comprising:~~

~~receiving an entry from a written-entry screen area;~~
~~displaying a corresponding digital ink stroke in the written-entry screen area;~~
~~shifting each displayed digital ink stroke horizontally at a rate corresponding to an ink stroke rate of the digital ink, whereby written entries appear to be scrolling off one side of a display as on a ticker tape; and~~

~~displaying the written entries in a display area, wherein displaying the written entries in the display area comprises:~~

~~passing the received entry to a handwriting recognition engine, the handwriting recognition engine converting the received entry to text, and displaying text in a textual display area in a text-recognition mode; and~~

~~converting the written entries to digital ink and displaying the digital ink in the textual display area in an ink-only mode;~~

wherein [[the]] a user can draw without having the input area scroll, ~~comprising~~ by:

[[user]] entering a pause mode by pressing a user interface button, [[said]] ~~the~~ pause mode [[is]] operable to prevent ~~an~~ input screen from scrolling;

[[user]] drawing within ~~the~~ input screen; and

[[user]] exiting pause mode whereby what was drawn is placed in the display area.

29. (Cancelled)

30. (Cancelled)

31. (Cancelled)

32. (Cancelled)

33. (Currently Amended) ~~The electronic device of claim 32, An electronic device for handwritten input and subsequent display of the handwritten input, the electronic device functionally comprising:~~

a user interface having an ink-text canvas and a conveyor canvas;
one or more ink-text areas coupled to the ink-text canvas;
a conveyor area coupled to the one or more ink-text areas and coupled to the user interface, the conveyor area comprising one or more ink traces;
an event loop of the user interface, the event loop operable to respond to pen-down events, pen-up events, pen-move events, and pen-timeout events,
wherein upon an occurrence of a pen-timeout event in an ink-only mode, one or more ink traces are sent to an ink processor for display without converting the one or more ink traces to text using a recognition element;
wherein upon an occurrence of a pen-down pen-down event:
if a trace is already present and the trace has substantially fallen off an edge of the conveyor area, then [[send]] sending the trace to the ink text ink-text canvas for display, delete deleting the trace from the conveyor area, ensure ensuring scrolling, cancel cancelling any pending timeout events, and [[add]] adding an ink point to the conveyor area;
if a trace is already present and the trace is not falling off an edge of the conveyor area, then ensure ensuring scrolling, cancel cancelling any pending timeout events, and [[add]] adding an ink point to the conveyor area; and
if a trace is not present, then ensure ensuring scrolling, cancel cancelling any pending timeout events, and [[add]] adding an ink point to the conveyor area.

34. (Cancelled)

35. (Cancelled)

36. (Currently Amended) ~~The electronic device of claim 32, An electronic device for handwritten input and subsequent display of the handwritten input, the electronic device functionally comprising:~~

a user interface having an ink-text canvas and a conveyor canvas;
one or more ink-text areas coupled to the ink-text canvas;
a conveyor area coupled to the one or more ink-text areas and coupled to the user interface, the conveyor area comprising one or more ink traces;
an event loop of the user interface, the event loop operable to respond to pen-down events, pen-up events, pen-move events, and pen-timeout events,
wherein upon an occurrence of a pen-timeout event in an ink-only mode, one or more ink traces are sent to an ink processor for display without converting the one or more ink traces to text using a recognition element;
wherein upon an occurrence of a ~~pen-timeout~~ pen-timeout event, any pending timeouts are canceled, one or more ink traces are sent to the ink processor for display, the one or more ink traces are deleted from the conveyor area, and scrolling of the conveyor area is stopped.

37. (Currently Amended) The electronic device of claim 36 [[,]] wherein the ink processor displays the one or more ink traces in the ~~ink text~~ ink-text canvas.

38. (Currently Amended) The electronic device of claim 36 [[,]] wherein [[the]] display of the one or more ink traces further comprises scaling and segmenting the ~~written handwritten~~ input into lines so that it can be displayed vertically in the ~~ink text~~ ink-text canvas.